

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT			1. CONTRACT ID CODE	PAGE OF PAGES 1 5
2. AMENDMENT/MODIFICATION NO. 31	3. EFFECTIVE DATE See Block 16C	4. REQUISITION/PURCHASE REQ. NO.	5. PROJECT NO. (If applicable)	
6. ISSUED BY John F. Kennedy Space Center, NASA Procurement Office – ODIN – OP-OS-ODIN Kennedy Space Center, FL 32899		7. ADMINISTERED BY (If other than Item 6) CODE		
8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State, and Zip Code) OAO Corporation 7375 Executive Place Seabrook, MD 20706-2278		9A. AMENDMENT OF SOLICITATION NO. 9B. DATED (SEE ITEM 11) 10A. MODIFICATION OF CONTRACT/ORDER NO. NAS5-98144/NNK05OA12D 10B. DATED (SEE ITEM 13) December 1, 2004		
CODE	FACILITY CODE			
11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS				
<p><input type="checkbox"/> The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers <input type="checkbox"/> is extended, <input type="checkbox"/> is not extended. Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods:</p> <p>(a) By completing Items 8 and 15, and returning ___ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGEMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.</p>				
12. ACCOUNTING AND APPROPRIATION DATA (If required)				

13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS, IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.	
	A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.
	B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).
X	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF: NAS5-98144 Contract Clause C.7 Technology Refreshment Process and FAR Clause 52.212-4 Contract Terms and Conditions-Commercial Items, (c) Changes
	D. OTHER (Specify type of modification and authority)

E. IMPORTANT: Contractor ☐ is not, ☒ is required to sign this document and return 1 copies to the issuing office.

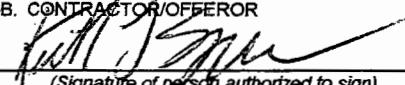
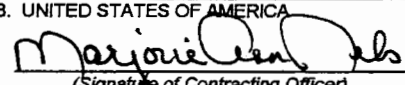
14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)

Stennis Space Center --- ODIN SERVICES

Technology Infrastructures: Incorporation of SWR P203 5TMP 21 Rev 01

Change in Delivery Order Price: \$201,223.02 (INCREASE)

Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. NAME AND TITLE OF SIGNER (Type or print) Keith Spencer Contracts Manager		16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) Marjorie Ann Nelson Contracting Officer	
15B. CONTRACTOR/OFFEROR  (Signature of person authorized to sign)	15C. DATE SIGNED 8/19/2005	16B. UNITED STATES OF AMERICA BY  (Signature of Contracting Officer)	16C. DATE SIGNED 8/19/2005

NSN 7540-01-152-8070
PREVIOUS EDITION UNUSABLE

30-105

STANDARD FORM 30 (Rev. 10-83)
Prescribed by GSA
FAR (48 CFR) 53.243

1. In accordance with Master Contract NAS5-98144, C.7, Technology Refreshment Process, the technology refreshment services referenced below is hereby incorporated into this Delivery Order at a fixed price of \$201,223.02.

SWR #	Subject	Amount
P203 5TMP 21	Install Cat6 wiring in B1100 North for NASA	\$201,223.02

2. SWR P203 5TMP 21

The contractor shall provide the labor (including, but not limited to, engineering, configuration management, user coordination/scheduling, wiring/cabling (IEEE 802.3, EIA/TIA Building Wiring Standards, National Electric Code, and Fire Protection Code, as applicable), and equipment installation) and materials necessary to install Cat6 wiring to B1100 North to replace Cat3 wiring, remove Cat3 wiring back to each telephone closet and cut off for NASA and as outlined in OAO proposal dated August 15, 2005. Installation will include testing, labeling, and configuration documentation (red line drawings).

- a. The contractor shall be responsible for performance of the following tasks:

ODIN shall work:

- (1) Install eight (8) new Catalyst 6500 48 port 10/100/1000 GE Mod RJ-45 in 1100N-CSC1
- (2) Strap new connection for each subscriber of 1100N-CSC1 on new CAT6 wire
- (3) Connect each subscriber of 1100N-CSC1 to new CAT6 jack
- (4) Update databases
- (5) Update drawings

BOE-TEL (subcontractor) shall work:

- (1) Install (2) Cat6 wires to (30) locations on the 1st floor up to the 3rd floor network room.
- (2) Install (2) Cat6 wires to (93) locations on the 2nd floor up to the 3rd floor network room.
- (3) Install (2) Cat6 wires to (82) locations on the 3rd floor up to the 3rd floor network room.
- (4) Install Flextray on all three floors to put Cat6 wiring in above ceilings.
- (5) Install (2) sheets of 3/4" x 4' x 8' plywood on wall in network room on the 3rd floor.
- (6) Install (5) Visipatch panels in network room on the 3rd floor and terminate (384) solid copper cables back to 1100N-CSC1.
- (7) Install (1) Visipatch panel in network room on the 3rd floor and terminate (24) Cat6 solid copper cables back to 1100NV-CSC1.
- (8) Install (6) Visipatch panels in network room on the 3rd floor and terminate (410) Cat6 station wires from all 3 floors.
- (9) Install (1) 19' x 84' aluminum equipment rack in network room on the 3rd floor and install (1) double sided vertical trough on two sides.
- (10) Install several EZ Path firestop units on all three floors where the firewalls have to be penetrated.
- (11) Install Caddy J-hooks above drop ceilings in the places where there isn't a need for Flextray to hold wiring.
- (12) Test and label Cat6 wiring.
- (13) Provide ODIN with a red line drawing showing jack numbers and jack locations.
- (14) Remove all old Cat3 network wiring from network closet on the 3rd floor back to each telephone closet and cut off since the wiring can't be removed because the conduits are completely full with telephone and network wires and one can't be

removed without pulling all out. They will be cut off and left in the telephone closets on each floor so telephone techs can use if needed. They will not be terminated in the closets.

(15) Install aluminum D rings in certain areas to hold Cat6 wiring.

b. The contractor shall provide the following material:

ODIN shall provide:

(1) 8 each GFE Catalyst 6500 48 port 10/100/1000 GE Mod RJ-45

BOE-Tel shall provide

- (1) 104,000 feet of plenum Systimax 2071 level 7 wire (CMP-00424AVA-7U-04)
- (2) 410 each Systimax MGS400 T568A/B Cat6 jack (246746) green
- (3) 408 each Systimax level 7 solid copper cords (CPC3482-04F30)
- (4) 220 each pair of Flextray 8" center hanger (196501)
- (5) 205 each 14-foot Cat6 patch cord green (MM14-AV7E-04)
- (6) 205 each Systimax M14L-262 faceplate (197613) white
- (7) 133 each Flextray 2" x 8" x 10' (174337)
- (8) 133 each Flextray threaded rod (FT1909)
- (9) 75 each 25 feet Cat6 patch cord green (MM25-AV7E-04)
- (10) 72 each Systimax Visipatch distribution rings (532421)
- (11) 60 each Caddy J-hooks (184873)
- (12) 40 each Aluminum D rings size D (073939)
- (13) 40 each Panduit boxes (201336)
- (14) 24 each EZ Patch firestop (269611)
- (15) 12 each Systimax 336-pair Visipatch panels (532210)
- (16) 6 each Flextray 8" L brackets (217074)
- (17) 5 each Systimax Visipatch horizontal duct (539650)
- (18) 4 packs of Premier black cable ties (739308)
- (19) 3 packs Flextray 3/8" hex nut (FT1844)
- (20) 3 packs Flextray 3/8" flat washer Ft1876)
- (21) 2 packs Flextray threaded rod anchors (FT3820STB)
- (22) 2 packs Flextray washer splice kit (214856)
- (23) 2 each 3/4" x 4' x 8' sheet of plywood
- (24) 2 each Systimax Visipatch spacer duct (238618)
- (25) 2 each double sided vertical trough (166031)
- (26) 1 each 19" x 84" aluminum equipment rack (143582)
- (27) 1 roll of Velcro ties
- (28) 252 each Visipatch GS XL patch cords Cat6 (VV03-AV7E-09)
- (29) 25 each Visipatch GS XL patch cords Cat6 (VV04-AV7E-09)
- (30) 25 each Visipatch GS XL patch cords Cat6 (VV05-AV7E-09)
- (31) 25 each Visipatch GS XL patch cords Cat6 (VV06-AV7E-09)
- (32) 25 each Visipatch GS XL patch cords Cat6 (VV07-AV7E-09)
- (33) 25 each Visipatch GS XL patch cords Cat6 (VV09-AV7E-09)
- (34) 25 each Visipatch GS XL patch cords Cat6 (VV12-AV7E-09)
- (35) 25 each Visipatch GS XL patch cords Cat6 (VV15-AV7E-09)
- (36) 25 each Visipatch GS XL patch cords Cat6 (VV18-AV7E-09)

c. Schedule: The completion of this effort shall be September 30, 2005.

3. Part II "Contract Administration Data", Item 4, is revised as indicated below to incorporate the increase of \$201,223.02 for this infrastructure upgrade:

Month/Mod	Description	Monthly Total	Actual Total To Date
Jul-05	Ordered Seats and Services	404,433.59	3,170,877.89
Jun-05	Catalog Services	13,244.79	123,793.72
Jun-05	Specialized Services	6,546.12	94,366.73
Mod 28	Infrastructure upgrades	156,667.89	641,354.24
	Fast Track Mods Authorized (but not incorporated by Mod)	73,835.96	73,835.96
	sub-total of ordered services	\$ 654,728.35	\$ 4,104,228.54
Jun-05	Less facility credit	-	-
Jun-05	Less outage credit	-	-
	Less retainage not earned	-	737.90
	TOTAL	\$ 654,728.35	\$ 4,104,966.44

3. Part V "Technology Infusion (Infrastructure Upgrades)", Item 3 is modified to include the subject infrastructure upgrades. The signed date and completion date will be completed in a future infrastructure upgrade modification.

Mod	Description	Date Signed	Amount
31	Install Cat6 wiring in B1100 North for NASA		\$201,223.02

4. Payment Schedule: Invoicing and Payment for this modification will be made in accordance with Master Contract NAS5-98144, FAR 52.212-4: Commercial Items (May 1997) (Modified) in accordance with the following:

Phase I:

Payment of \$107,212.33 shall be paid upon receipt of all material as verified by the DOCOTR or designee.

Phase II:

Payment of \$94,010.69 after completion of the effort and acceptance by the DOCOTR or designee.

5. Reporting requirements: The contractor shall provide monthly status reports to the SSC DOCOTR, with a copy to the DOCO. These reports shall include, as a minimum, installation progress, and potential problem areas.
6. In consideration of the modification agreed to herein as complete equitable adjustment for the changes set forth, the Contractor hereby releases the Government from any and all liability under this delivery order for further equitable adjustments attributable to such facts or circumstances giving rise to these changes.
7. All other terms and conditions of this Delivery Order remain unchanged and in full force and effect.